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| Name | **Dr. Mohamed Ibrahim Abdelwanis, Assistant Professor** |
| **Photo** |  |
| **Degree** | **Assistant Professor of Electrical power and machines** |
| **Department** | **Electrical Engineering Department** |
| **General Specialization** | **Electrical power and machines** |
| **Specialization** | **Electrical machines and control** |
| **Home page** | **www.kfs.edu.eg/** |
| **Google Scholar** | [**https://scholar.google.com.eg/citations?hl=ar&pli=1&user=FcOg\_cAAAAAJ**](https://scholar.google.com.eg/citations?hl=ar&pli=1&user=FcOg_cAAAAAJ) |
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| **Qualifications** | **PhD. In ''Control of Synchronous Motor in Water Pumping Applications'', March, 2011** |
| **MSc. in** ''Analysis and Control of A Wind Energy Driven Self Excited Reluctance Generator'',2008 |
| **Bachelor of Engineering in "Electrical power and machine Engineering" (2003)** |
| **Research interests** | **Electrical machines, Optimization, Control Systems Engineering, Fuzzy Control, Fuzzy Logic Control, Electrical Engineering, Control Systems, Controls, Electrical Drives, Modeling, Solar Activity, wind energy, power electronics, Fuzzy Logic, Instrumentation.** |
| **Recent Publications** | 1. Abdelwanis, M.I. & El-Sehiemy, R.A., "A Fuzzy-Based Controller of a Modified Six-Phase Induction Motor Driving a Pumping System'', Iran J Sci Technol Trans Electr Eng (2019) 43: pp 153-165. https://doi.org/10.1007/s40998-018-0066-4. 2. Mohamed I. Abd-Elwanis, F. Selim, Ragab A. El-Sehiemy “An efficient sensorless slip dependent thermal motor protection schemes applied to submersible pumps”, International Journal of Engineering Research in Africa Vol. 14 (2015) pp 75-86. |
| **Conferences** | 1. F. Selim, Mohamed I. Abdelwanis., "ADVANCED LOW-COST SMART POWER SAVING SYSTEM FOR BUBLIC BUILDINGS", Proceedings of the 11th ICEENG Conference, 3-5 April, 17-PES, 2018 2. Mohamed I. Abd-Elwanis, F. Selim, '' A Sensorless Six-Phase Induction Motor Driving a Centrifugal Pump'', 17th International Middle East Power Systems Conference, Menoufia University, Egypt, December 19-21, 2017, pp. 242-247. |

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| **Position** | |  |  | | --- | --- | | *Aug 2011 – present* | **Assistant Professor** | |  |  | |  |  | |
| **Devices of Department** | **--** |
| **Head of Department** | **Prof. Dr. Abdel-Fattah Attia** |
| **Contact us** | **01023420628** |
| **Subjects of Bachelor** | **Electrical machines, electrical drives, power electronics, electric circuits, project..** |
| **Subjects of post Graduates** | **Electrical measurement and testing, renewable energy, project.** |